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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael B. Goshe et al.

Art Unit: 1641

Application No. 09/788,286

Filed: February 16, 2001

For: PHOSPHOPROTEIN BINDING AGENTS AND  
METHODS OF THEIR USE

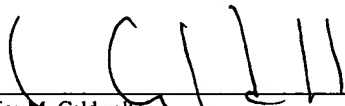
Examiner: Mary Ceperley

Date: March 13, 2003

COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on March 13, 2003 as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

  
Lisa M. Caldwell  
Attorney for Applicant

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AMENDMENT

In response to the Office action, dated November 25, 2002, please amend the application as follows.

In the Claims

Please amend the claims to read as follows.

1. (Once Amended) A method of comparing the phosphorylation states of one or more proteins in two or more samples comprising:

providing a substantially chemically identical and differentially isotopically labeled protein reactive reagent for each sample wherein the protein reactive reagent satisfies the formula:

B-L-PhRG

wherein B is a binding agent, L is a linker group having one or more atoms that are differentially labeled with one or more stable isotopes, and PhRG is a phosphate reactive group that selectively reacts with amino acid residues of the one or more proteins that were formerly phosphorylated;